

CARNEGIE INSTITUTION OF WASHINGTON
DEPARTMENT OF GENETICS
COLD SPRING HARBOR, LONG ISLAND, N. Y.

August 3, 1954

Dear Dr. Lederberg,

The author's address was not given with the "nature note" I referred you to (Dujin, C. van fr. 1952 a remarkable observation of living bacteria, the microscope 9:29-31). However, the "journal" is at the U. Penna. Bot. - Zool. Library and the Editor's address is:

Arthur L. E. Barron, Editor
The Microscope

4 New Zealand Avenue

Barbican, London E.C. 1, Engl.

The article is strictly ^{concerned with} the observations of an amateur microscopist and would not be of any interest, or, rather, import, alone (since many factors can cause R strains to clump permanently or transiently) but is of interest in relation to your own studies. I didn't realize that there might be some difficulty in finding this

little "Tutor News"-type leaflet. Perhaps one can obtain ~~the~~ free subscriptions for the Wisconsin and Hoods Hole Libraries by writing the Editor. But the little sheet has an occasional article of interest ~~top~~^{microbial} microscopy and, also, notes such as Duijn's and an equally interesting observation on spontaneous bursting and lysis right in pond water by the late A.C. Ballard (1957 Observations on pond life VI. *Paramecium bursaria*. ~~the microscope~~, 8: May-June: 165-172). One would like to obtain these strains for more careful analysis but Ballard has since passed away and a letter to Duijn via the Editor has been unanswered.

This past month I have begun work with Dr. Demerec in analysis of a series of histidineless strains of *Sal. typhimurium* by transduction. There are, so far, 8 groups by transduction, these matching exactly with grouping by accumulations of metabolites (chromatography). One of the strains is SW 950, with which Hatten & Lacy have worked. Should you have any strains histidine⁻ which are transducible in this system (17-2) and which you would not mind having included in this study I would appreciate them.

Cordially yours,

Philip E. Hartman